

**TYPE APPROVAL OF PACKAGING FOR
TRANSPORTATION OF DANGEROUS GOODS
CERTIFICATE NO.: NET11601A**

HOLDER OF CERTIFICATE:
ALOREM SAS

4122 kg max

RESPONSIBLE DISTRIBUTOR: ALOREM SAS, 350 Route de Thil - 01700 Beynost, France



MARKING ON PACKAGING:

Each packaging intended for use according to the ADR shall bear markings which are durable, legible and placed in a location as to be readily visible. Letters, numerals and symbols shall be at least 12 mm high. The IBC shall also be appropriately marked in accordance with ADR 6.5.2.2 Additional marking.

UN 31A/Y/MMYY/N/NET11601A - ID/7420/KG1

- UN** : The United Nations symbol
- 31A** : Steel IBCs for liquids
- Y** : Packaging group II and III
- MMYY** : To be replaced with the month and year (last two digits) of manufacture
- N** : Norway, the state authorizing the allocation of the mark
- NET11601A - ID** : Identification of the IBC followed by "ID" to be replaced by the name or symbol of the manufacturer
- 7420** : The stacking test load in kg
- KG** : The maximum permissible gross mass in kg, see content table

PRODUCT:

Description
This welded Fuel tank, 3 mm thick, is a compact and safe tank that is combined with a 111, 230 and 321 liter Adblue tank in stainless steel. It can be delivered with or without a ladder in front.



DIMENSIONS:

IBC#: Capacity, l	L*W*H, mm	Drawing
1: 3031	2296*1185*1700	RF30T, RF30T-000-C
2: 2015	2296*1185*1700	RF20TB, RF20TB-000-C
3: 1745 + 230 Adblue	2296*1185*1296	RF20-000-200ADB, RF20-000-B
4: 2065	2296*1185*1296	RF20, RF20-000-B
5: 928	1185*1185*1296	RF10
6: 780 + 111 Adblue	1185*1185*1296	RF10-000-100ADB
7: 2711 + 230 Adblue	2296*1185*1700	RF30T-000-200ADB, RF30T-000-C
8: 2632 + 321 Adblue	2296*1185*1700	RF30T-000-300ADB, RF30T-000-C
9: 1695 + 230 Adblue	2296*1185*1700	RF20TB-000-200ADB, RF20TB-000-C
10: 1616 + 321 Adblue	2296*1185*1700	RF20TB-000-300ADB, RF20TB-000-C
11: 1666 + 321 Adblue	2296*1185*1296	RF20-000-300ADB, RF20-000-B

CLOSING MECHANISM:

#: Closure type	Producer	Drawing	Material	Gasket	Torque
Main cap	Mintor S.r.l.	Bouchon G3-F avec bras	S235	G p Rubber	55
Bung	Goshe	-	Steel	-	-
Top gasket	Gumo plast	-	Rubber	G p Rubber	-
Plug 3"	BIS	-	Galvanized steel	-	-
Plug 2"	BIS	-	Galvanized steel	-	-
Plug 1 1/4"	BIS	-	Galvanized steel	-	-
Plug 1"	Gebo	-	Galvanized steel	-	-
Valve 3/4"	Any	-	Brass	-	-
Anti syphon valve 1"	Any	-	Brass	-	-
Push Pull connector 3/8" Male	Any	-	Steel	-	-
Push Pull connector 3/8" Female	Any	-	Steel	-	-
Push Pull connector 1/2" Male	Any	-	Steel	-	-
Push Pull connector 1/2" Female	Any	-	Steel	-	-
Push Pull connector 3/4" Male	Any	-	Steel	-	-

Push Pull connector 3/4" Female	Any	-	Steel	-	-
Manhole cover, RF10	ALOREM SAS	RF10-070	Galvanized Steel	G p Rubber	70
Manhole cover, exept RF10	ALOREM SAS	RF30-070	Galvanized Steel	G p Rubber	70
Manhole cover on Adblue tank, 111 L	ALOREM SAS	RF10-354	Stainless steel	G p Rubber	100
Manhole cover on Adblue tank, Exept RF10	ALOREM SAS	RF30-343	Stainless steel	G p Rubber	100


ACCESSORIES:

Type	Description / Drawing	Producer
Electric vane pump	Viscomat 70	Piusi
Electric vane pump	Viscomat 90	Piusi
Electric pump	Panther 56	Piusi
Electric pump	Panther 72	Piusi
Electric pump	Panther 90	Piusi
Electric pump	Carry 3000 12V	Piusi
Electric pump	Carry 3000 24V	Piusi
Electric pump	Panther 12/24V	Piusi
Electric pump	E80M	Piusi
Electric pump	Bipump 12V	Piusi
Electric pump	Bipump 24V	Piusi
Electric pump	SuzzaraBlue 12V	Piusi
Electric pump	SuzzaraBlue 24V	Piusi
Electric pump	SuzzaraBlue 230V	Piusi
Manual pump	JAP0	Japy
Manual pump	JAP1	Japy
Manual pump	JAP2	Japy
Manual pump	K0	Sigma
Manual pump	K1	Sigma
Manual pump	K2	Sigma
Manual pump	Hand pump	Piusi
Level indicator	Magnetic liquid-level gauge	Rochester Gauges
Level indicator	OCIO	Piusi

Level indicator	Lorawan	Tekelek
Level indicator	Pompilive	Geofilling
Level indicator	Orbis	FOUR DATA
Level indicator	Fuelit	FOUR DATA
Automatic nozzle	A60	Piusi
Automatic nozzle	A120	Piusi
Automatic nozzle	A280	Piusi
Automatic nozzle	SuzzaraBlue nozzle	Piusi
Manual nozzle	SuzzaraBlue nozzle	Piusi
Manual nozzle	S3000	Piusi
Filter	WCF70	Piusi
Flow meter	K24	Piusi
Flow meter	K33	Piusi
Breather cap	Breather plug with double valve tilt-function	Mintor S.r.l.
Hose reel	DN19-DN25	OMPI
Hose	VACU	Flex
Hose	1SN	Flex
Bund alarm	DF02	Afriso
Bund alarm	DFAF220	Afriso
Adblue tank	111	ALOREM SAS
Adblue tank	230	ALOREM SAS
Adblue tank	321	ALOREM SAS
Protection cover 1240 x 980 mm	RF30T	ALOREM SAS
Ladder	RF30T	ALOREM SAS
Eye for top lift, 1	RF30T-103-M1	ALOREM SAS
Eye for top lift, 2	RF30T-105-XM2	ALOREM SAS
Eye for top lift, 3	RF104-XM2	ALOREM SAS

LEGISLATION:

The certificate is valid for a maximum of five years, provided no modifications have been made to the packaging design, materials, dimensions, closure system or manner of construction. To ensure validation of the certificate, check the NET website.

NET issues the certification on described product according to delegated authority from Norwegian Directorate for Civil Protection and Emergency Planning (DSB): Legal regulations for Transportation of Dangerous Goods on road and railway - 06/6950-7/BJRU.

NET issues the certification on described product according to delegated authority from Norwegian Maritime Directorate (Sjøfartsdirektoratet) - 200705977-4/5367.1.

REGULATIONS BASED UPON FOR APPROVAL:

UN Recommendations on the Transport of Dangerous Goods.

ADR, European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID, International Regulations on Transport of Dangerous Goods by Rail.

IMDG, International Maritime Dangerous Goods Code, for sea transport.

ADN, European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

The UN certification mark intended for the classification of packaging and the marking of dangerous goods is an international system for ensuring safe transport by road, rail, sea and air.

All types of transport with UN-approved packages must comply with the actual regulations regarding handling according to ADR, RID, IMDG, ADN or DGR.

Package testing must be performed before a UN certification mark can be issued. This document proves that the packaging has met or exceeded the minimum performance requirement according to the ADR regulations and allows transport of the packaging, as long as the packaging instructions for the correct mode of transport are followed.

TESTS CARRIED OUT:

Prototype tests performed and approved according to the above regulations:

6.5.6.4 Bottom lift test

6.5.6.5 Top lift test: WLL 1031 kg, all 4 padeyes shall be used when lifting the IBC

6.5.6.6 Stacking test

6.5.6.7 Leakproofness test

6.5.6.8 Internal pressure test

6.5.6.9 Drop test

6.5.6.13 Vibration test

APPROVAL IS VALID FOR:

Transport of liquids with max. density of 1.0 is allowed in this IBC as long as a conventional pressure relief device is mounted. The start-to-discharge pressure shall not be higher than 65 kPa and not lower than the total gauge pressure experienced in the IBC. The IBC shall always be used according to the requirement of the applicable UN-code and its packaging instruction.

The maximum degree of filling are listed as volume in liter for the three different sizes of the IBC (98% of brimful at 15 °C). The degree of filling according to the boiling point of liquid is to be found in ADR 4.1.1.4 a).

IBC#: Content	KG, Max. gross mass / Tare weight, kg	Max degree of filling, l	Pressure test, kPa
1: Liquids	4090 / 1120	2970	200
2: Liquids	3033 / 1059	1974	200
3: Liquids	2902 / 967	1710 + 225	200
4: Liquids	2926 / 903	2023	200
5: Liquids	1498 / 589	909	200
6: Liquids	1505 / 633	764 + 109	200
7: Liquids	4065 / 1183	2657 + 225	200
8: Liquids	4088 / 1194	2579 + 315	200
9: Liquids	3009 / 1122	1661 + 225	200
10: Liquids	3031 / 1133	1584 + 315	200
11: Liquids	2924 / 977	1633 + 315	200

DOCUMENTS BASED UPON FOR APPROVAL:

Report id.	Date	Issued by	Scope
NET1401A	10.10.2018	NET	Type approval
S-03516-18	06.07.2018	Eurofins Ltd	Vibration testing
NET14TE01	13.08.2018	NET	Technical evaluation
NET14TE03	18.10.2018	NET	Technical evaluation
NET14T01	25.05.2019	NET	Additional test, lift eyes
NET116TE01	19.06.2020	NET	Technical evaluation, trans
NET116TE05	11.01.2020	NET	Technical evaluation, BF
NET116TE08	23.09.2022	NET	Technical evaluation, Access
NET116TE09	20.10.2023	NET	Technical evaluation, Fork passage

VALIDITY:

The continued validity of the type approval requires that the holder of the certificate and/ or the manufacturer inform NET certification that has approved its type of packaging of any changes to the characteristics of the type or anything that can influence on the transport safety on the specific design so that it can be verified that the type of packaging continues to comply with packaging tested as base for the original type approval.

The validity of the type approval assume regular verification by means of periodic audits by NET in accordance with NET Doc 2: "Production control agreement". The packaging shall be manufactured, reconditioned and tested under a quality assurance program which satisfies NET Certification, in order to ensure that each packaging meets the requirements in ADR and the guidelines in ISO 16106.

TEST STANDARD:

All tests are performed in accordance with NET accredited test method ATM001. The test method is accredited in accordance with ISO17025 approved by Norsk Akkreditering and based upon ISO16495.



BREVIK, NORWAY

20.10.2023 CERTIFICATE IS VALID UNTIL:

30.11.2027



Geir Morten Johansen
Certification Officer



Rune Madsen Fink
Control Officer

Nordisk Emballasje Testing Certification